

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-9 (Canceled)

10. (Cancel)

11. (Cancel)

12. (Currently amended) The process as claimed in claim ~~11~~ 21, wherein the organic compound is reduced by hydrogenation.

13. (Currently amended) The process as claimed in claim ~~11~~ 21, wherein the anode is in contact with at least one hydrogenation catalyst.

14. (previously presented) The process as claimed in claim 13, wherein the hydrogenation catalyst is a noble metal.

15. (previously presented) The process as claimed in claim 13, wherein the hydrogenation catalyst is applied to a graphite felt.

16. (previously presented) The process as claimed in claim 13, wherein the hydrogenation catalyst is deposited on the anode from suspension.

17. (previously presented) The process as claimed in claim 13, wherein the hydrogenation catalyst in the form of a suspension is brought into contact with the anode.

18. (Currently amended) The process as claimed in claim ~~10~~ 22, wherein the organic compound is both reduced and oxidized at the cathode.

19. (Currently amended) The process as claimed in claim ~~10~~ 21, wherein the electrode is a gas diffusion electrode.

20. (Currently amended) The process as claimed in claim ~~10~~ 21, wherein the organic compound is furan or a furan derivative or furan and a furan derivative.

21. (New) A process for the electrolytic transformation of at least one organic compound in an electrolysis cell, comprising the steps of:

oxidizing the organic compound at one electrode of the electrolysis cell having a given polarity to provide an oxidized species, and

reducing the oxidized species at the same electrode of the electrolysis cell having the same polarity.

22. (New) A process for the electrolytic transformation of at least one organic compound in an electrolysis cell, comprising the steps of:

reducing the organic compound at one electrode of the electrolysis cell having a given polarity to provide a reduced species, and

oxidizing the reduced species at the same electrode of the electrolysis cell having the same polarity.

23. (New) The process as claimed in claim 22, wherein the electrode is a gas diffusion electrode.

24. (New) The process as claimed in claim 22, wherein the organic compound is furan or a furan derivative or furan and a furan derivative.